

Case No. : <u>GTS20220524002-1-2</u>	
Ambient Condition: <u>26 °C, 47 %RH,</u>	
Test Date: <u>2022.6.22</u>	Test Engineer: <u>Jenny zeng</u>

Appendix D.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.054	5736.463	5753.517	---	---
		5785	17.079	5776.443	5793.522	---	---
		5825	17.010	5816.484	5833.494	---	---
11N20SISO	Ant1	5745	17.959	5736.056	5754.015	---	---
		5785	17.975	5775.982	5793.957	---	---
		5825	18.076	5815.953	5834.029	---	---
11N40SISO	Ant1	5755	36.563	5736.785	5773.348	---	---
		5795	36.608	5776.706	5813.314	---	---
11AC20SISO	Ant1	5745	18.005	5736.009	5754.014	---	---
		5785	18.011	5775.989	5794.000	---	---
		5825	18.002	5815.995	5833.997	---	---
11AC40SISO	Ant1	5755	36.337	5736.875	5773.212	---	---
		5795	36.404	5776.848	5813.252	---	---
11AC80SISO	Ant1	5775	75.360	5737.373	5812.733	---	---
11AX20SISO	Ant1	5745	19.009	5735.491	5754.500	---	---
		5785	19.105	5775.482	5794.587	---	---
		5825	19.115	5815.486	5834.601	---	---
11AX40SISO	Ant1	5755	36.910	5736.606	5773.516	---	---
		5795	36.806	5776.662	5813.468	---	---
11AX80SISO	Ant1	5775	77.113	5736.683	5813.796	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



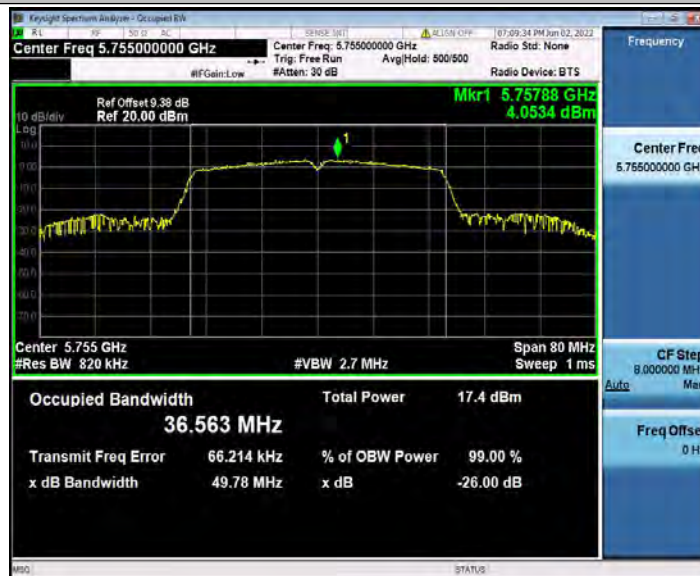
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



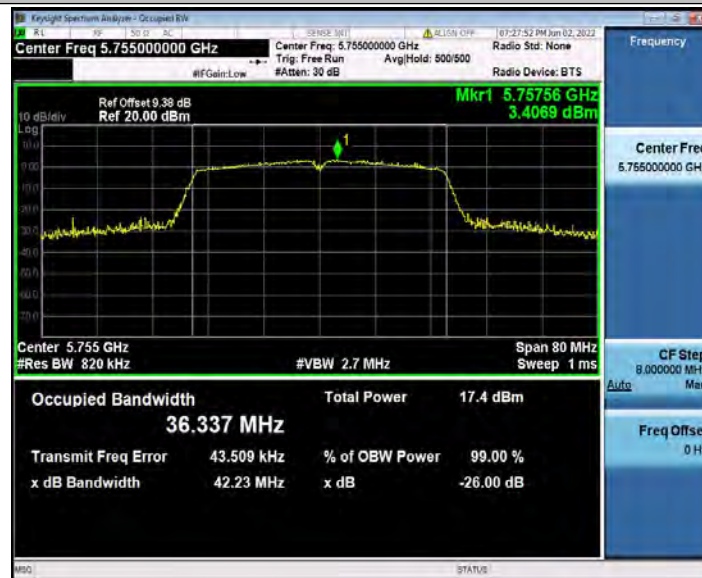
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix D.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.280	5737.480	5752.760	0.5	PASS
		5785	13.800	5778.720	5792.520	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	13.840	5778.680	5792.520	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	19.040	5735.480	5754.520	0.5	PASS
		5785	19.040	5775.480	5794.520	0.5	PASS
		5825	19.040	5815.520	5834.560	0.5	PASS
11AX40SISO	Ant1	5755	36.480	5736.840	5773.320	0.5	PASS
		5795	36.480	5776.840	5813.320	0.5	PASS
11AX80SISO	Ant1	5775	77.600	5736.280	5813.880	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



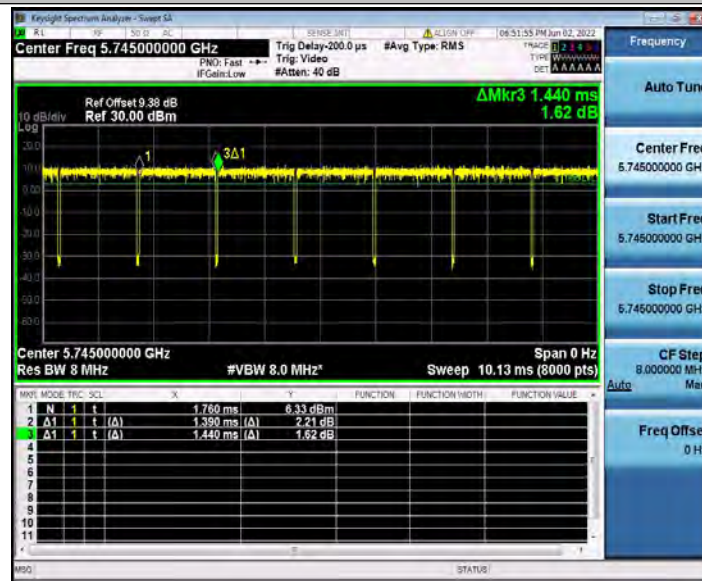
Appendix D.3: Duty Cycle

Test Result

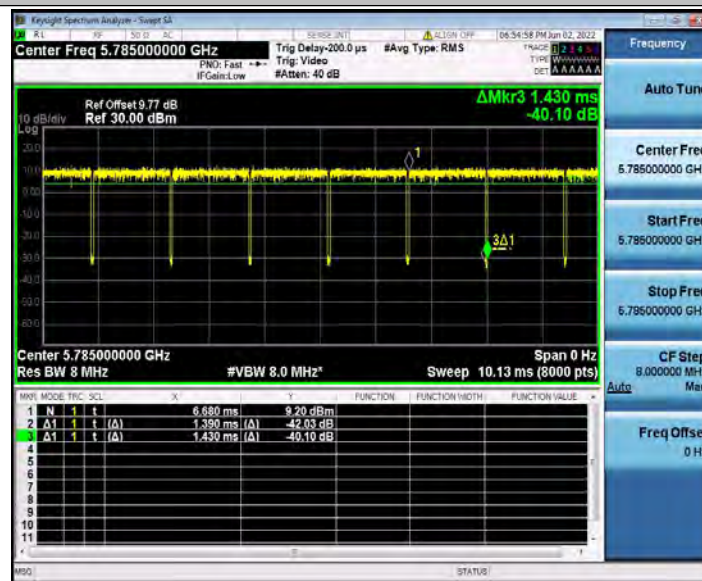
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.44	96.53
		5785	1.39	1.43	97.20
		5825	1.39	1.44	96.53
11N20SISO	Ant1	5745	1.30	1.34	97.01
		5785	1.30	1.34	97.01
		5825	1.30	1.35	96.30
11N40SISO	Ant1	5755	0.65	0.70	92.86
		5795	0.65	0.69	94.20
11AC20SISO	Ant1	5745	1.31	1.35	97.04
		5785	1.32	1.36	97.06
		5825	1.31	1.35	97.04
11AC40SISO	Ant1	5755	0.65	0.70	92.86
		5795	0.65	0.69	94.20
11AC80SISO	Ant1	5775	0.33	0.37	89.19
11AX20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AX40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AX80SISO	Ant1	5775	30.00	30.00	100.00

Test Graphs

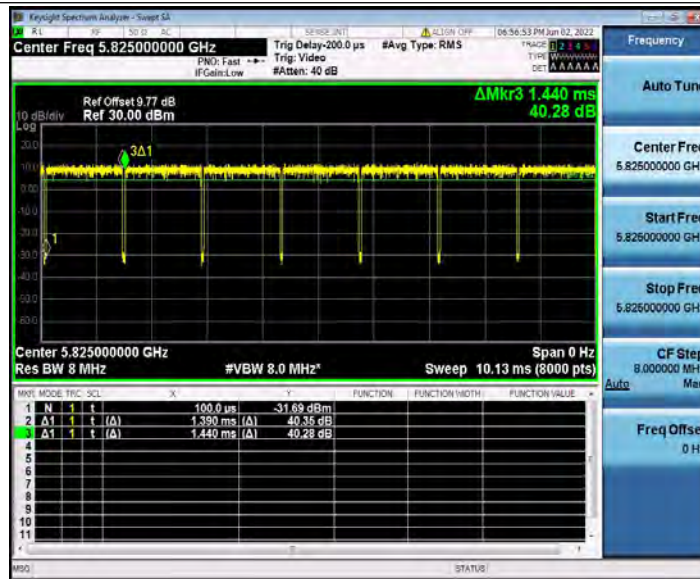
11A_Ant1_5745



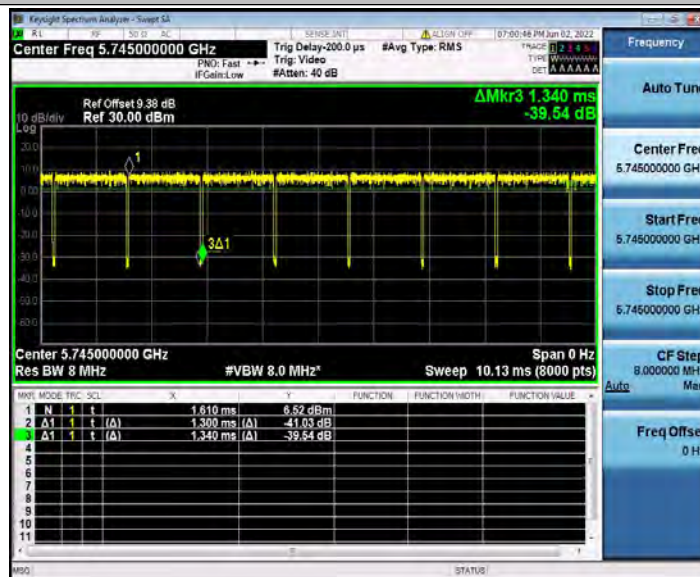
11A_Ant1_5785



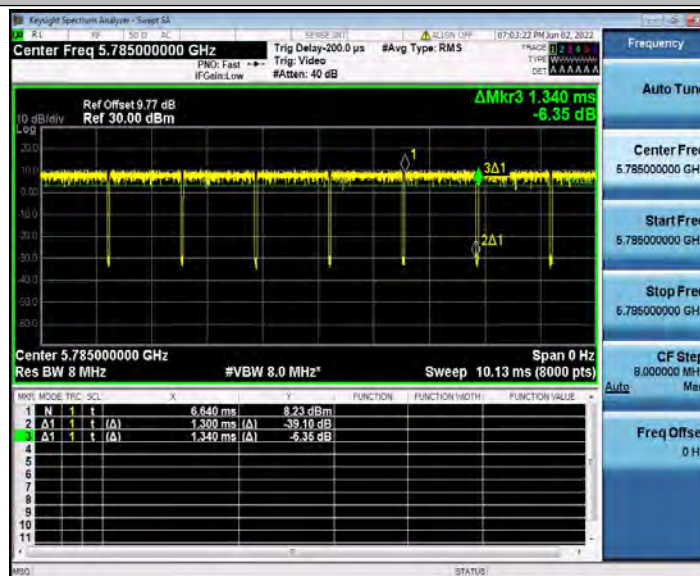
11A_Ant1_5825



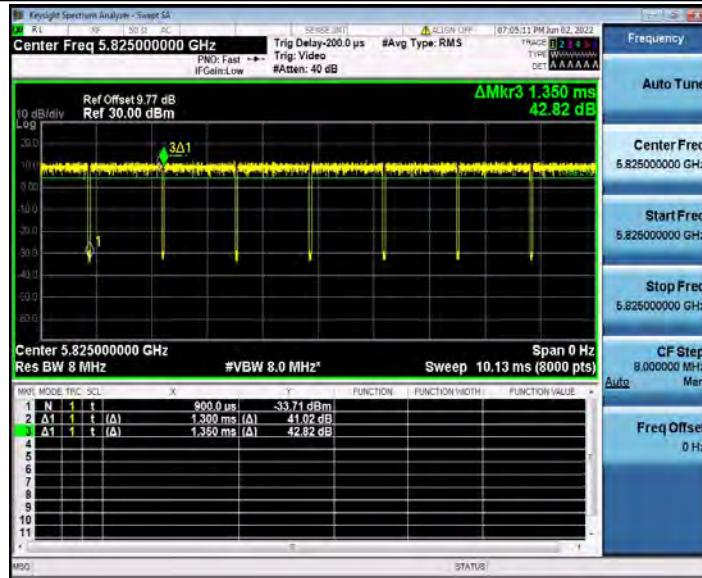
11N20SISO_Ant1_5745



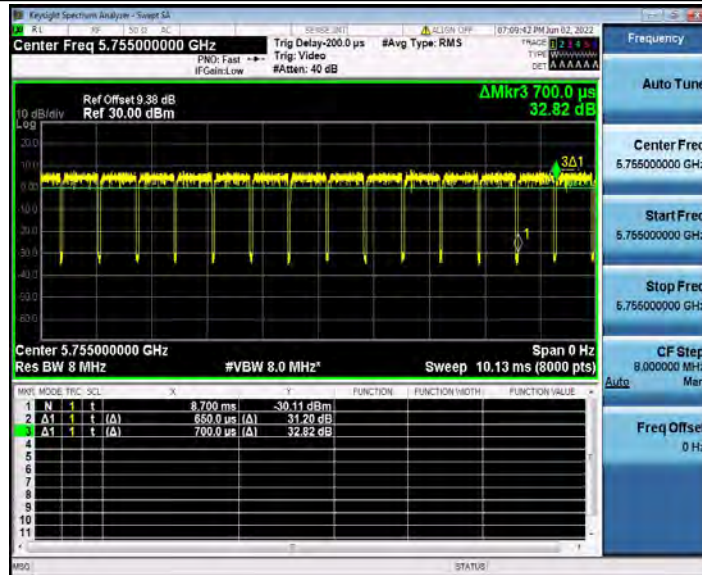
11N20SISO_Ant1_5785



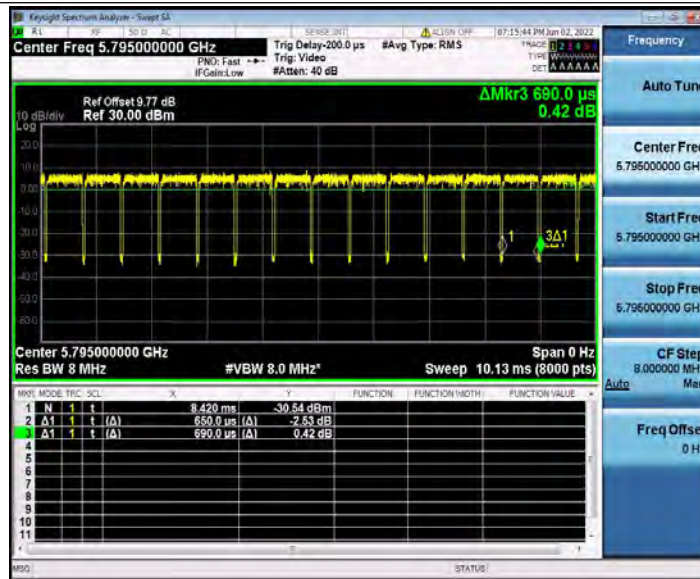
11N20SISO_Ant1_5825



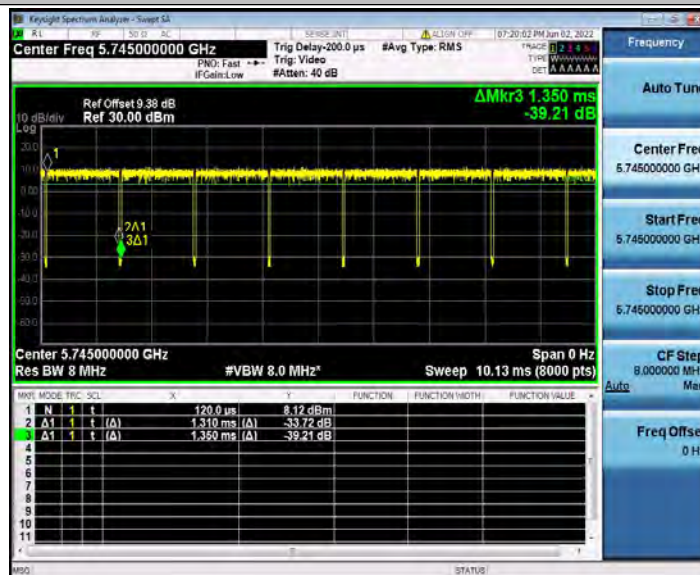
11N40SISO_Ant1_5755



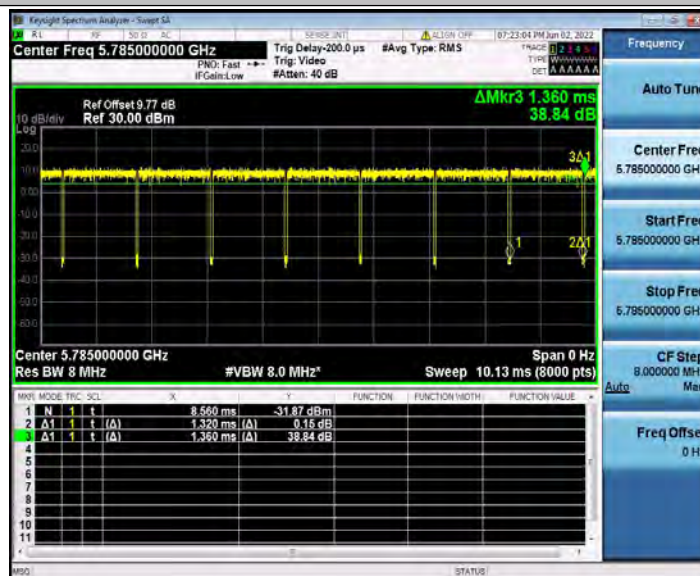
11N40SISO_Ant1_5795

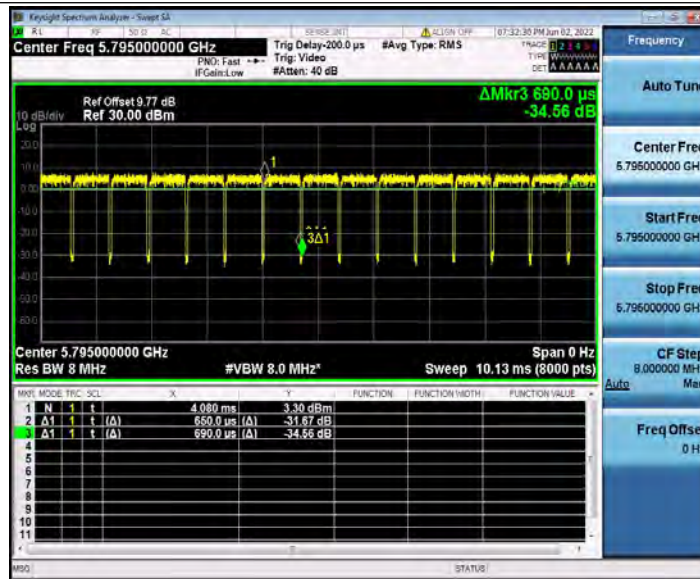


11AC20SISO_Ant1_5745

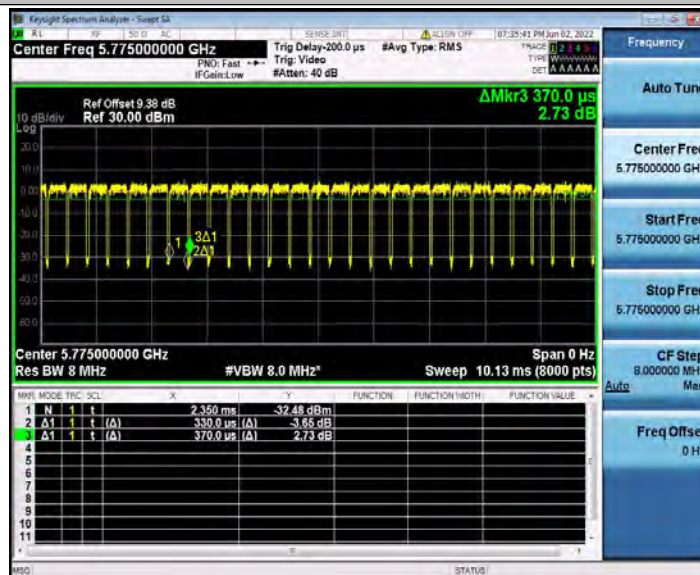


11AC20SISO_Ant1_5785

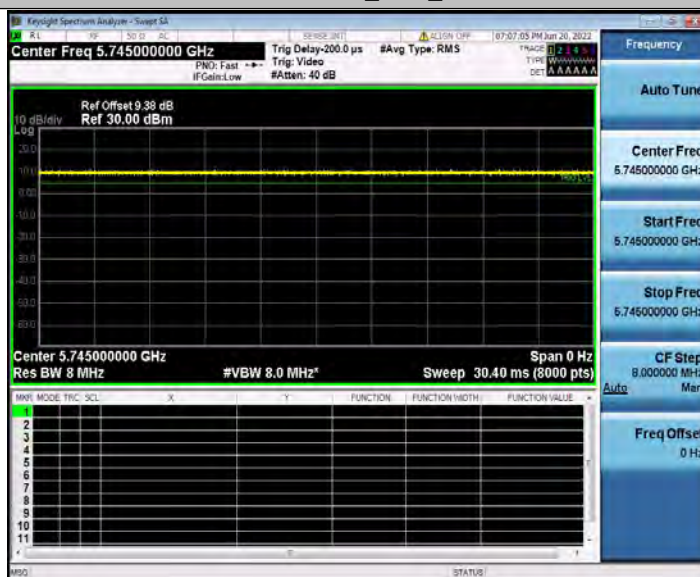




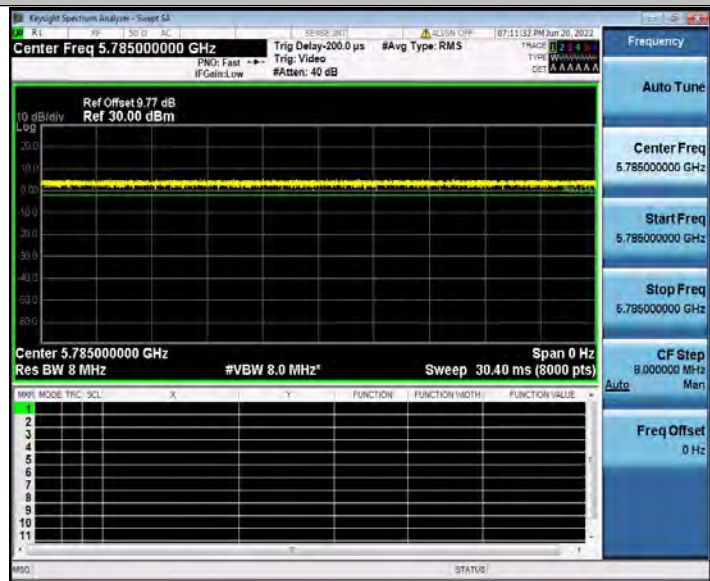
11AC80SISO_Ant1_5775



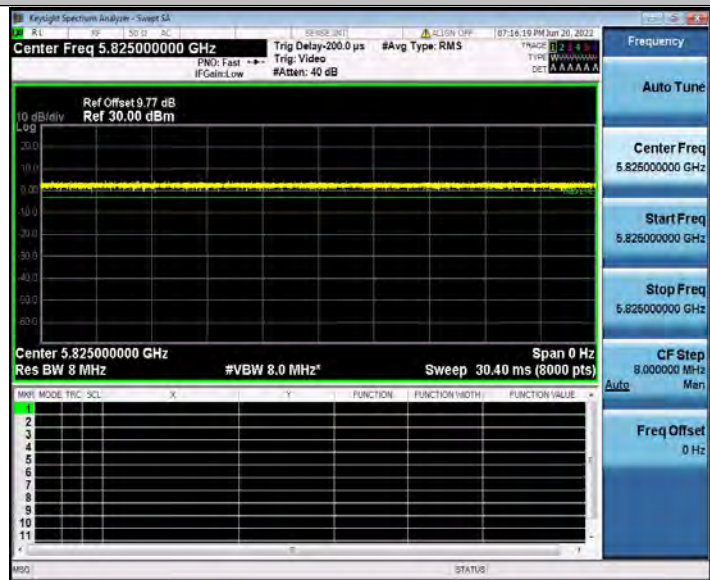
11AX20SISO_Ant1_5745



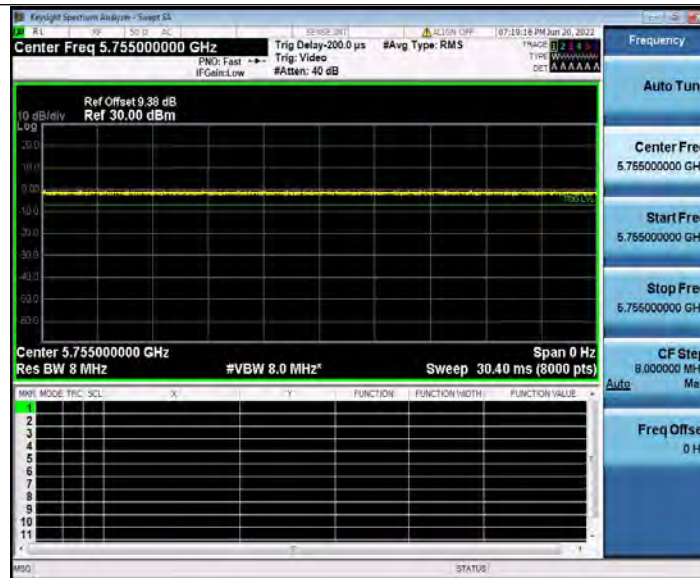
11AX20SISO_Ant1_5785



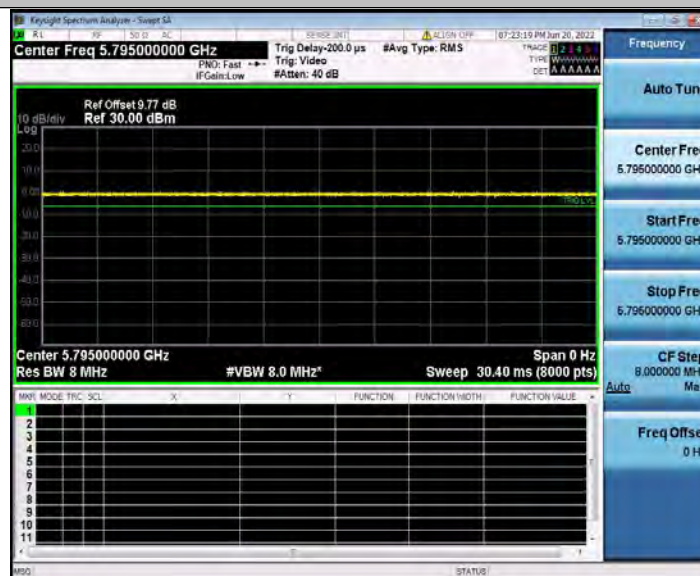
11AX20SISO_Ant1_5825



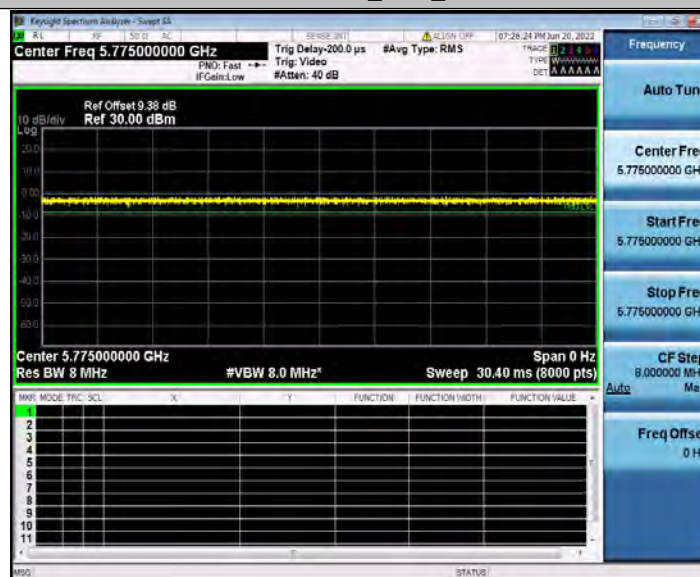
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix D.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	3.82	≤30.00	PASS
		5785	4.47	≤30.00	PASS
		5825	4.95	≤30.00	PASS
11N20SISO	Ant1	5745	1.49	≤30.00	PASS
		5785	2.99	≤30.00	PASS
		5825	4.14	≤30.00	PASS
11N40SISO	Ant1	5755	-0.33	≤30.00	PASS
		5795	0.85	≤30.00	PASS
11AC20SISO	Ant1	5745	4.19	≤30.00	PASS
		5785	3.99	≤30.00	PASS
		5825	4.45	≤30.00	PASS
11AC40SISO	Ant1	5755	0.18	≤30.00	PASS
		5795	-0.37	≤30.00	PASS
11AC80SISO	Ant1	5775	-2.87	≤30.00	PASS
11AX20SISO	Ant1	5745	-2.64	≤30.00	PASS
		5785	0.32	≤30.00	PASS
		5825	-0.33	≤30.00	PASS
11AX40SISO	Ant1	5755	-5.54	≤30.00	PASS
		5795	-5.02	≤30.00	PASS
11AX80SISO	Ant1	5775	-4.76	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40ISO_Ant1_5755



11AX40ISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix D.5: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.46	≤0.11	PASS
				5700~5720	-33.18	≤15.40	PASS
				5720~5725	-30.97	≤25.52	PASS
				5760~5650	-40.95	≤-27	PASS
		High	5825	5850~5855	-33.38	≤16.41	PASS
				5855~5875	-36.96	≤10.89	PASS
				5875~5925	-39.54	≤-21.96	PASS
				5925~5935	-40.8	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-40.55	≤1.81	PASS
				5700~5720	-39.59	≤13.40	PASS
				5720~5725	-38.54	≤15.82	PASS
				5760~5650	-41.56	≤-27	PASS
		High	5825	5850~5855	-34.09	≤16.10	PASS
				5855~5875	-37.71	≤10.17	PASS
				5875~5925	-39.23	≤-23.96	PASS
				5925~5935	-40.36	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-39.49	≤-8.72	PASS
				5700~5720	-23.94	≤15.28	PASS
				5720~5725	-31.11	≤22.20	PASS
				5780~5650	-42	≤-27	PASS
		High	5795	5850~5855	-40.4	≤15.66	PASS
				5855~5875	-39.81	≤14.29	PASS
				5875~5925	-40.14	≤-1.28	PASS
				5925~5935	-41.64	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.16	≤9.81	PASS
				5700~5720	-32.44	≤15.11	PASS
				5720~5725	-26.19	≤24.21	PASS
				5760~5650	-41.52	≤-27	PASS
		High	5825	5850~5855	-32.91	≤15.79	PASS
				5855~5875	-35.37	≤10.14	PASS
				5875~5925	-39.09	≤-10.17	PASS
				5925~5935	-39.98	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-39.23	≤9.96	PASS
				5700~5720	-30.35	≤14.75	PASS
				5720~5725	-33.62	≤15.74	PASS
				5780~5650	-41.58	≤-27	PASS
		High	5795	5850~5855	-39.5	≤17.16	PASS

				5855~5875	-39.37	≤ 12.03	PASS
				5875~5925	-40.25	≤ 7.75	PASS
				5925~5935	-42.02	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-31.69	≤ 6.35	PASS
				5700~5720	-29.2	≤ 14.26	PASS
				5720~5725	-29.69	≤ 19.89	PASS
				5800~5650	-41.36	≤ -27	PASS
		High	5775	5850~5855	-31.55	≤ 22.54	PASS
				5855~5875	-36.04	≤ 12.35	PASS
				5875~5925	-39.08	≤ -22.03	PASS
				5925~5935	-41.42	≤ -27	PASS
11AX20SI SO	Ant1	Low	5745	5650~5700	-38.71	≤ -15.98	PASS
				5700~5720	-36.71	≤ 15.53	PASS
				5720~5725	-32.69	≤ 26.57	PASS
				5760~5650	-40.16	≤ -27	PASS
		High	5825	5850~5855	-38.57	≤ 17.33	PASS
				5855~5875	-38.39	≤ 11.23	PASS
				5875~5925	-38.1	≤ -9.87	PASS
				5925~5935	-38.97	≤ -27	PASS
11AX40SI SO	Ant1	Low	5755	5650~5700	-39.67	≤ -3.33	PASS
				5700~5720	-39.06	≤ 11.61	PASS
				5720~5725	-38.97	≤ 24.97	PASS
				5780~5650	-40.67	≤ -27	PASS
		High	5795	5850~5855	-39.38	≤ 25.81	PASS
				5855~5875	-38.68	≤ 12.21	PASS
				5875~5925	-38.11	≤ -11.17	PASS
				5925~5935	-38.22	≤ -27	PASS
11AX80SI SO	Ant1	Low	5775	5650~5700	-38.68	≤ -8.91	PASS
				5700~5720	-38.43	≤ 10.92	PASS
				5720~5725	-39.43	≤ 23.77	PASS
				5800~5650	-40.38	≤ -27	PASS
		High	5775	5850~5855	-38.57	≤ 25.92	PASS
				5855~5875	-38.18	≤ 10.80	PASS
				5875~5925	-38.71	≤ 1.93	PASS
				5925~5935	-38.3	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



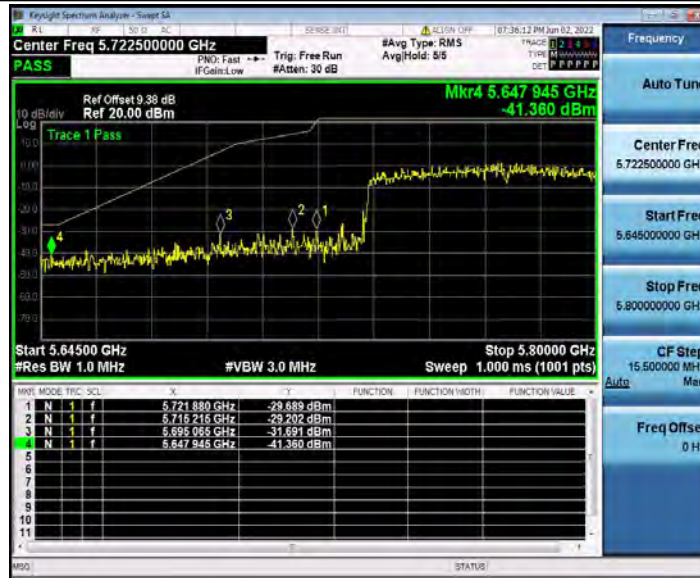
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



11AX20SISO_Ant1_Low_5745



11AX20SISO_Ant1_High_5825



11AX40SISO_Ant1_Low_5755



11AX40SISO_Ant1_High_5795



11AX80SISO_Ant1_Low_5775



11AX80SISO_Ant1_High_5775



Appendix D.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3417.55	-40.74	≤-27	PASS
			5925~40000	24225.83	-33.37	≤-27	PASS
		5785	30~5650	2665.78	-40.01	≤-27	PASS
			5925~40000	26768.18	-31.82	≤-27	PASS
		5825	30~5650	5434.38	-39.74	≤-27	PASS
			5925~40000	24178.06	-31.73	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5463.23	-40.77	≤-27	PASS
			5925~40000	24291.16	-32	≤-27	PASS
		5785	30~5650	833.47	-39.29	≤-27	PASS
			5925~40000	24867.21	-31.87	≤-27	PASS
		5825	30~5650	5460.04	-40.09	≤-27	PASS
			5925~40000	25686.33	-32.24	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	905.22	-33.52	≤-27	PASS
			5925~40000	26059.35	-33.11	≤-27	PASS
		5795	30~5650	5448.43	-40.16	≤-27	PASS
			5925~40000	26485.77	-31.99	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5459.86	-41.05	≤-27	PASS
			5925~40000	25150.32	-32.02	≤-27	PASS
		5785	30~5650	5397.29	-40.59	≤-27	PASS
			5925~40000	24322.77	-31.99	≤-27	PASS
		5825	30~5650	4909.66	-41.03	≤-27	PASS
			5925~40000	26900.95	-31.83	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5388.48	-40.7	≤-27	PASS
			5925~40000	26092.37	-32.61	≤-27	PASS
		5795	30~5650	5227.94	-39.99	≤-27	PASS
			5925~40000	24219.51	-31.97	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5481.03	-39.72	≤-27	PASS
			5925~40000	24154.17	-32.89	≤-27	PASS
11AX20SISO	Ant1	5745	30~5650	4934.01	-40.93	≤-27	PASS
			5925~40000	25208.63	-33.39	≤-27	PASS
		5785	30~5650	5481.59	-38.24	≤-27	PASS
			5925~40000	26579.2	-32.4	≤-27	PASS
		5825	30~5650	5447.68	-40.71	≤-27	PASS
			5925~40000	25191.06	-31.97	≤-27	PASS
11AX40SISO	Ant1	5755	30~5650	4983.66	-41.09	≤-27	PASS
			5925~40000	24858.78	-32.11	≤-27	PASS
		5795	30~5650	2572.49	-40.98	≤-27	PASS

			5925~40000	24263.76	-32.47	≤-27	PASS
11AX80SISO	Ant1	5775	30~5650	5438.69	-40.44	≤-27	PASS
			5925~40000	23583.04	-32	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~40000



11A_Ant1_5785_30~5650



11A_Ant1_5785_5925~40000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



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11N20SISO_Ant1_5745_5925~40000



11N20SISO_Ant1_5785_30~5650



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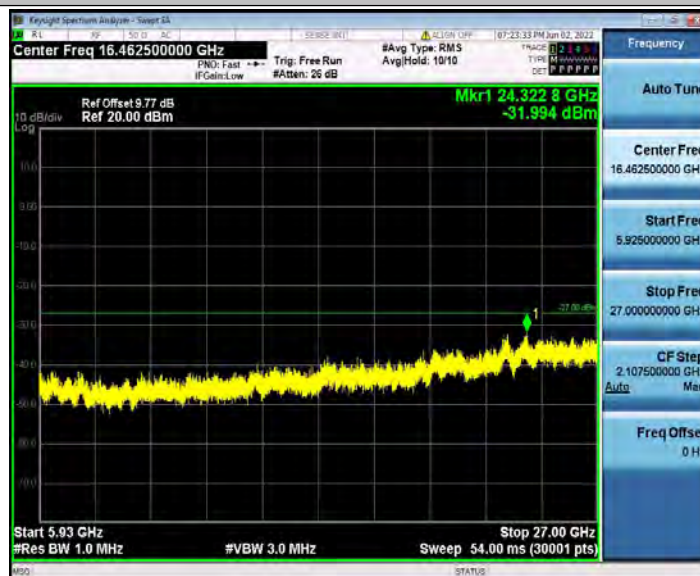
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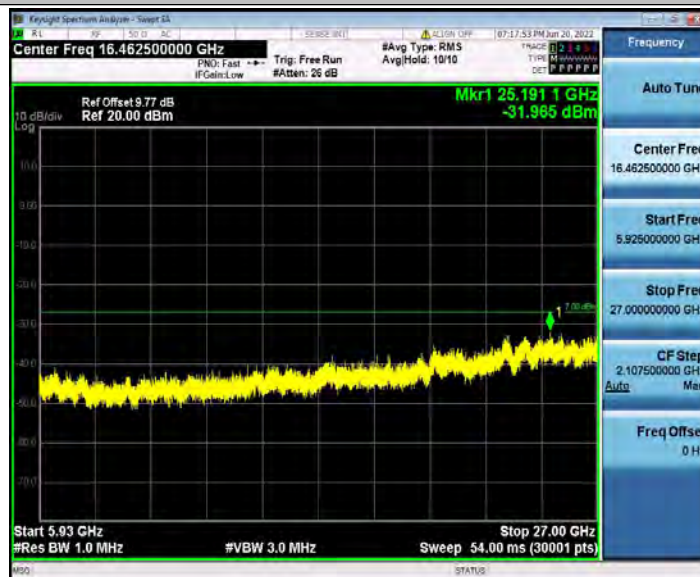
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11AX80SISO_Ant1_5775_30~5650



11AX80SISO_Ant1_5775_5925~40000

